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Genetic and environmental determinants of lung function in the general population

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Stellingen behorende bij het proefschrift:

"Genetic and environmental determinants of lung function in the general population"

1. Two Single Nucleotide Polymorphisms in the 3' region of *ABCC1* significantly associate with the level of FEV₁ in two independent cohorts (*this thesis*). This may still represent genetic variation in the *ABCC6* gene.
2. Polymorphisms in the 5' region of *GCLC* are important for the level of lung function, yet only in interaction with smoking. *This thesis*
3. It is better to drink white wine than red wine if one wishes to have a higher lung function. *This thesis*
4. Though oxidative stress is important in FEV₁ decline and COPD development, variations in genes involved in the regulation of the redox balance *in vivo*, such as *NFE2L2*, *KEAP1* or *EPHX1*, do not associate with the course of lung function over time. *This thesis*
5. Correlation does not imply causation.
6. The lack of significant association of a SNP with a trait does not imply that the gene is not important for this trait.
7. Functional genetic studies facilitate understanding of epidemiological findings and *vice versa*.
8. "Science is the great antidote to the poison of enthusiasm and superstition." *Adam Smith*
9. "The whole of science is nothing more than a refinement of everyday thinking." *Albert Einstein*
10. "I know, through not knowing." adapted from *Socrates*

Mateusz Siedliński, 28 oktober 2009

